







Research-based education at Åbo Akademi University Johan Gadolin Process Chemistry Centre

Modern Analytical Tools for Pulp and Paper

a five day course presenting the most recent analytical techniques for pulp and paper



Registration to the course by November 27, 2015 e-mail: <u>otto.langvik@abo.fi</u> Course Price:

- for representatives from the industry	
and research institutes*:	700€
- PaPSaT students**:	Free
- PhD students within Finland:	50€
- PhD students from abroad:	350€

NOTE

PhD-students (also PaPSaT) from Finnish Universities need to confirm the registration by sending an approval from the JOO-system (<u>www.joopas.fi</u>) to Otto Långvik: mail: Åbo Akademi | Laboratory of Wood and Paper Chemistry Porthansgatan 3 | FIN-20500 Turku e-mail: <u>otto.langvik@abo.fi</u>

* topics of interest for representatives from the industry and research institutes are found during 8-10.12.2015
**N.B. The course is free also for GSCE students; enclose a certificate of your membership with your application. Otto Långvik will try to answer all your questions, do not hesitate to ask! See you in December in Turku!

December 7 – 11 Turku / Åbo 8 ECT

Preliminary course topics:

Sampling, pre-treatment and extraction of samples Analysis of extractives and polysaccharides Raman spectroscopy Solid phase micro extraction Lignin analysis Black liquor analysis Analysis of inorganic substances Flow cytometry

Course leaders:

Prof. Stefan Willför and Docent Anna Sundberg Laboratory of Wood and Paper Chemistry Arrangements Otto Långvik